

SYSTEM AND METHOD FOR GENERATING PAN SHARPENED MULTISPECTRAL IMAGERY

ABSTRACT OF THE DISCLOSURE

5 A system, method, and computer program product are provided for sharpening bands
of sensor data in the visual spectrum. Blue, green, red, near-infrared, and panchromatic bands
of data are received. Data of the panchromatic band is corrected based on the blue, green,
red, and near-infrared bands of data, and the data of one or more of the green, red, and near-
infrared bands is sharpened based on the corrected data of the panchromatic band. The
sharpened data of the green, red, and near-infrared bands is combined with the received
10 panchromatic band of data and then displayed.

